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PATENT

Attorney Docket No.: A6311/T040320US
AMAT No.: 006311/DD/BCVD
TTC No.: 016301-040320US

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Commissioner for Patents

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Alexandria, VA 22313-1450

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jun Zhao et al.

Application No.:

Filed: Herewith

For: A PROCESS AND AN
INTEGRATED TOOL FOR LOW K
DIELECTRIC DEPOSITION
INCLUDING A PECVD CAPPING
MODULE

Examiner:

Art Unit:

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
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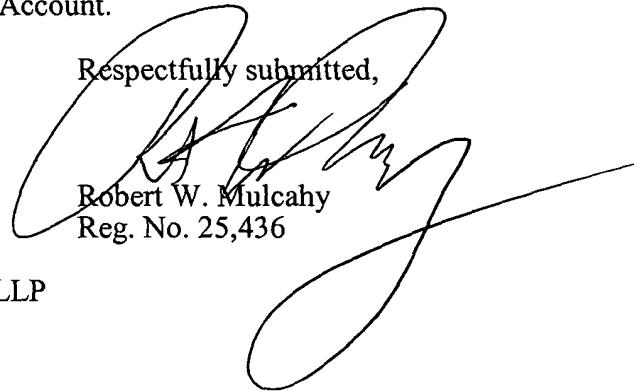
Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of reference numbers 1-14, 16-108, and 111-113 can be found in Application No. 09/502,126, filed February 10, 2000 (Attorney Docket No. 016301-040300). Copies of reference numbers 15, 109 and 110 are enclosed herewith. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants believe that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-1074. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Robert W. Mulcahy
Reg. No. 25,436

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WC 9059924 v1

Substitute for form 1449/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>					
Page	1	of	5	Attorney Docket Number	A6311/T040320US

U.S. PATENT DOCUMENTS					
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		Number Kind Code ² (if known)			
	1	4,004,130	01/18/1977	Blackwood	
	2	4,277,525	07/07/1981	Nakayama et al.	
	3	4,315,705	02/16/1982	Flint	
	4	4,416,213	11/22/1983	Sakiya	
	5	4,507,078	03/26/1985	Tam et al.	
	6	4,518,848	05/21/1985	Weber	
	7	4,765,815	08/23/1988	Danzuka et al.	
	8	4,785,962	11/22/1988	Toshima	
	9	4,816,116	03/28/1989	Davis et al.	
	10	4,819,167	04/04/1989	Cheng et al.	
	11	4,863,547	09/05/1989	Shidahara et al.	
	12	4,889,069	12/26/1989	Kawakami	
	13	4,899,685	02/13/1990	Kawakami	
	14	4,966,519	10/30/1990	Davis et al.	
	15	5,003,178	03/26/1991	Livesay	
	16	5,067,218	11/26/1991	Williams	
	17	5,076,205	12/31/1991	Vowles et al.	
	18	5,094,884	03/10/1992	Hillman et al.	
	19	5,120,019	06/09/92	Davis, Jr.	
	20	5,133,284	07/28/1992	Thomas et al.	
	21	5,151,871	09/29/1992	Matsumura et al.	
	22	5,167,837	12/01/1992	Snodgrass et al.	
	23	5,186,718	02/16/1993	Tepman et al.	
	24	5,226,632	07/13/93	Tepman et al.	
	25	5,250,114	10/05/1993	Konishi et al.	
	26	5,259,881	11/09/1993	Edwards et al	
	27	5,275,303	01/04/1994	Szalai	
	28	5,281,320	01/25/1994	Turner et al.	
	29	5,289,222	02/22/1994	Hurtig	
	30	5,302,209	04/12/1994	Maeda et al.	
	31	5,310,410	05/10/1994	Begin et al.	
	32	5,312,487	05/17/1994	Akimoto et al.	
	33	5,356,476	10/18/1994	Foster et al.	
	34	5,363,872	11/15/1994	Lorimer	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
(use as many sheets as necessary)				Filing Date	
Page	2	of	5	First Named Inventor	Zhao, Jun, et. al.
				Art Unit	
				Examiner Name	
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		Number Kind Code ² (if known)			
35		5,392,989	02/28/1995	Hurtig	
36		5,427,820	06/27/1995	Biche et al.	
37		5,430,271	07/04/1995	Orgami et al.	
38		5,431,700	07/11/1995	Sloan	
39		5,472,502	12/05/1995	Batchelder	
40		5,494,494	02/27/1996	Mizuno et al.	
41		5,505,779	04/09/1996	Mizuno et al.	
42		5,512,320	04/30/1996	Turner et al.	
43		5,515,986	05/14/1996	Turlot et al.	
44		5,553,994	09/10/1996	Biche et al.	
45		5,565,034	10/15/1996	Nanbu et al.	
46		5,571,325	11/05/1996	Ueyama et al.	
47		5,587,038	12/24/1996	Cecchi et al.	
48		5,587,127	12/24/1996	Carlson	
49		5,591,262	01/07/1997	Sago et al.	
50		5,611,886	03/18/1997	Bachman et al.	
51		5,612,082	03/18/1997	Azuma et al.	
52		5,651,823	07/29/1997	Parodi et al.	
53		5,660,634	08/26/1997	Fujiyama et al.	
54		5,665,200	09/09/1997	Fujimoto et al.	
55		5,670,210	09/23/1997	Mandal et al.	
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57		5,706,890	01/13/1998	Sloan et al.	
58		5,707,687	01/13/1998	Ueda et al.	
59		5,725,663	03/10/1998	Parrette	
60		5,725,664	03/10/1998	Nanbu et al.	
61		5,730,574	03/24/1998	Adachi et al.	
62		5,747,880	05/05/1998	Havemann et al.	
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64		5,762,709	06/09/1998	Sugimoto et al.	
65		5,766,824	06/16/1998	Batchelder et al.	
66		5,769,952	06/23/1998	Komino	
67		5,772,764	06/30/1998	Akimoto	
68		5,785,759	07/28/1998	Sago et al.	

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		Number Kind Code ² (if known)			
	69	5,788,868	08/04/1998	Itaba et al.	
	70	5,798,140	08/25/1998	Parodi et al.	
	71	5,803,970	09/08/1998	Tateyama et al.	
	72	5,810,993	09/22/1998	Keller et al.	
	73	5,838,121	01/17/1998	Fairbairn et al.	
	74	5,843,527	12/01/1998	Sanada	
	75	5,846,327	12/08/1998	Kawamoto et al.	
	76	5,858,108	01/12/1999	Hwang	
	77	5,882,413	03/16/1999	Beaulieu et al.	
	78	5,885,661	03/23/1999	Batchelder	
	79	5,927,077	07/27/1999	Hisai et al.	
	80	5,935,768	08/10/1999	Biche et al.	
	81	5,937,223	08/10/1999	Akimoto et al.	
	82	5,942,037	08/24/1999	Wagener et al.	
	83	5,954,878	09/21/1999	Mandal et al.	
	84	5,976,620	11/02/1999	Sanada et al.	
	85	5,985,357	11/16/1999	Sanada	
	86	5,989,632	11/23/1999	Sanada et al.	
	87	6,005,225	12/21/1999	Kowalski et al.	
	88	6,015,503	01/18/2000	Butterbaugh et al.	
	89	6,040,120	03/21/2000	Matsushita et al.	
	90	6,042,623	03/28/2000	Edwards	
	91	6,051,101	04/18/2000	Ohtani et al.	
	92	6,054,181	04/25/2000	Nanbu et al.	
	93	6,059,507	05/09/2000	Adams	
	94	6,059,880	05/09/2000	Kitano et al.	
	95	6,063,190	05/16/2000	Hasebe et al.	
	96	6,071,055	06/06/2000	Tepman	
	97	6,072,163	06/06/2000	Armstrong et al.	
	98	6,080,969	06/27/2000	Goto et al.	
	99	6,091,056	07/18/2000	Kannan et al.	
	100	6,098,843	08/08/2000	Soberanis et al.	
	101	6,110,280	08/29/2000	Ebert	
	102	6,143,081	11/07/2000	Shinriki et al.	

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		Number Kind Code ² (if known)			
	103	6,177,133	01/23/2001	Gurer et al.	
	104	6,214,120	04/10/2001	Kim	
	105	6,318,945	11/20/2001	Hofmeister	
	106	6,338,626	01/15/2002	Saeki	
	107	6,375,746	04/23/2002	Stevens et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
	108	JP	11087467	03/1999		<input type="checkbox"/>
	109	PC	WO 01/48805 A1	07/05/2001		<input type="checkbox"/>
	110	PC	WO 01/61737 A1	08/23/2001		<input type="checkbox"/>
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